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TI Antiaging skin cosmetics containing superoxide dismutase from bacteria
 IN Ootomo, Toshimitsu
 PA Ootomo Toshimitsu, Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-00
 ICS A61K007-48
 ICA A61K035-74
 CC 62-4 (Essential Oils and Cosmetics)
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P.D.	1994	(2)
p.	1/2	

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08003018	A2	19960109	JP 1994-136818	19940620
AB	Antiaging skin cosmetics contain 100 wt. parts cream bases contg. hexadecyl alc. (I) 1-10, silicone oils 20-45, glycerin (II) 15-40, phosphate salts 0.3-7.0, and CM-cellulose (III) 5-25 wt.% as essential ingredients and 0.005-0.05 wt. part (as protein) superoxide dismutase (SOD) from bacteria. A cream base (1 g) contg. I 5, KF-96 35, II 30, Na phosphate 3, III 17, glycerin stearate 0.2, Me p-hydroxybenzoate 0.005, perfume 0.003, and H2O to 100 wt.% was mixed with 200 .mu.g Fe-SOD, purified from Micrococcus candidus, to give an antiaging cosmetic, which showed high affinity of the Fe-SOD with human cells. The cosmetic did not show toxicity in tests using rats, mice, and guinea pigs.				
ST	antiaging cosmetic bacteria superoxide dismutase; CM cellulose superoxide dismutase cosmetic; hexadecyl alc superoxide dismutase cosmetic; silicone glycerin superoxide dismutase cosmetic; phosphate superoxide dismutase antiaging cosmetic				
IT	Acetobacter acetigenus Acetobacter aurantius Acetobacter Aeromonas liquefaciens Aeromonas shigelloides Aeromonas Bacillus amyloliquefaciens Bacillus circulans Bacillus stearothermophilus. Bacillus Bacteria Flavobacterium aquatile Flavobacterium Gluconobacter oxydans suboxydans Gluconobacter Lactobacillus brevis Lactobacillus casei Lactobacillus Legionella pneumophila Legionella Micrococcus candidus Micrococcus conglomeratus Micrococcus Pseudomonas aeruginosa Methylobacterium radiotolerans Pseudomonas syringae Pseudomonas Rhizobium leguminosarum trifolii Rhizobium meliloti Rhizobium				

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(antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)

IT Phosphates, biological studies
 Siloxanes and Silicones, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)

IT Cosmetics
 (antiaging, antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)

IT Cosmetics
 (creams, antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)

IT 9054-89-1P, Superoxide dismutase
 RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BUU (Biological use, unclassified); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)

IT 56-81-5, Glycerin, biological studies 7632-05-5, Sodium phosphate
 9004-32-4, Carboxymethyl cellulose 9016-00-6, KF 96 31900-57-9, Dimethylsilanediol homopolymer 36653-82-4, Hexadecyl alcohol
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (antiaging cosmetics contg. bacterial superoxide dismutase and adjuvants)